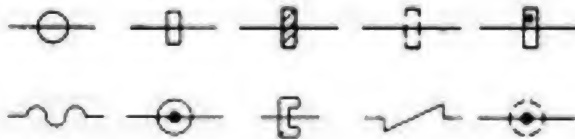


Quick Reference to Symbols

3.6 Waveguide



3.7 Strip-Type Transmission Line



3.8 Termination



3.9 Circuit Return



3.10 Pressure-Tight Bulkhead Cable Gland Cable Sealing End

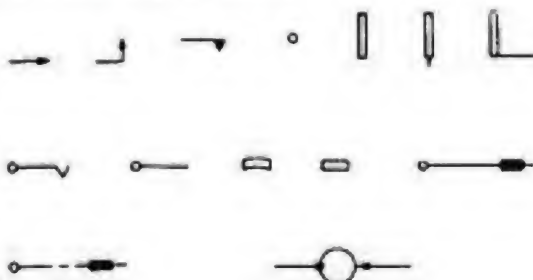


4. Contacts, Switches, Contactors, and Relays

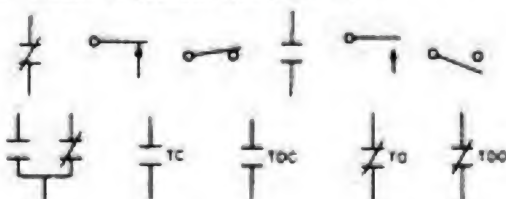
4.1 Switching Function



4.2 Electrical Contact



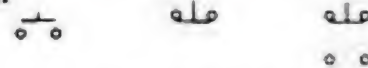
4.3 Basic Contact Assemblies



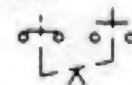
4.6 Switch



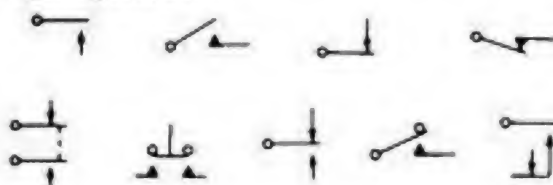
4.7 Pushbutton, Momentary or Spring-Return



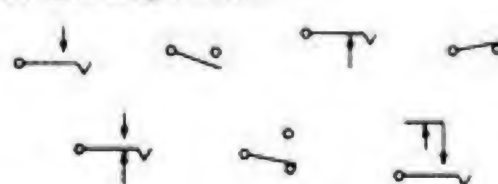
4.8 Two-Circuit, Maintained or Not Spring-Return



4.9 Nonlocking Switch, Momentary or Spring-Return



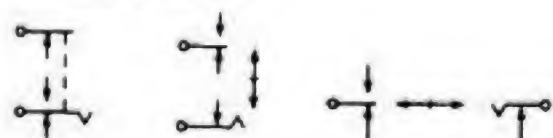
4.10 Locking Switch



4.11 Combination Locking and Non-locking Switch



4.12 Key-Type Switch Lever Switch



4.13 Selector or Multiposition Switch



4.16



4.17



4.18



4.19



4.20



4.21



4.22



4.23



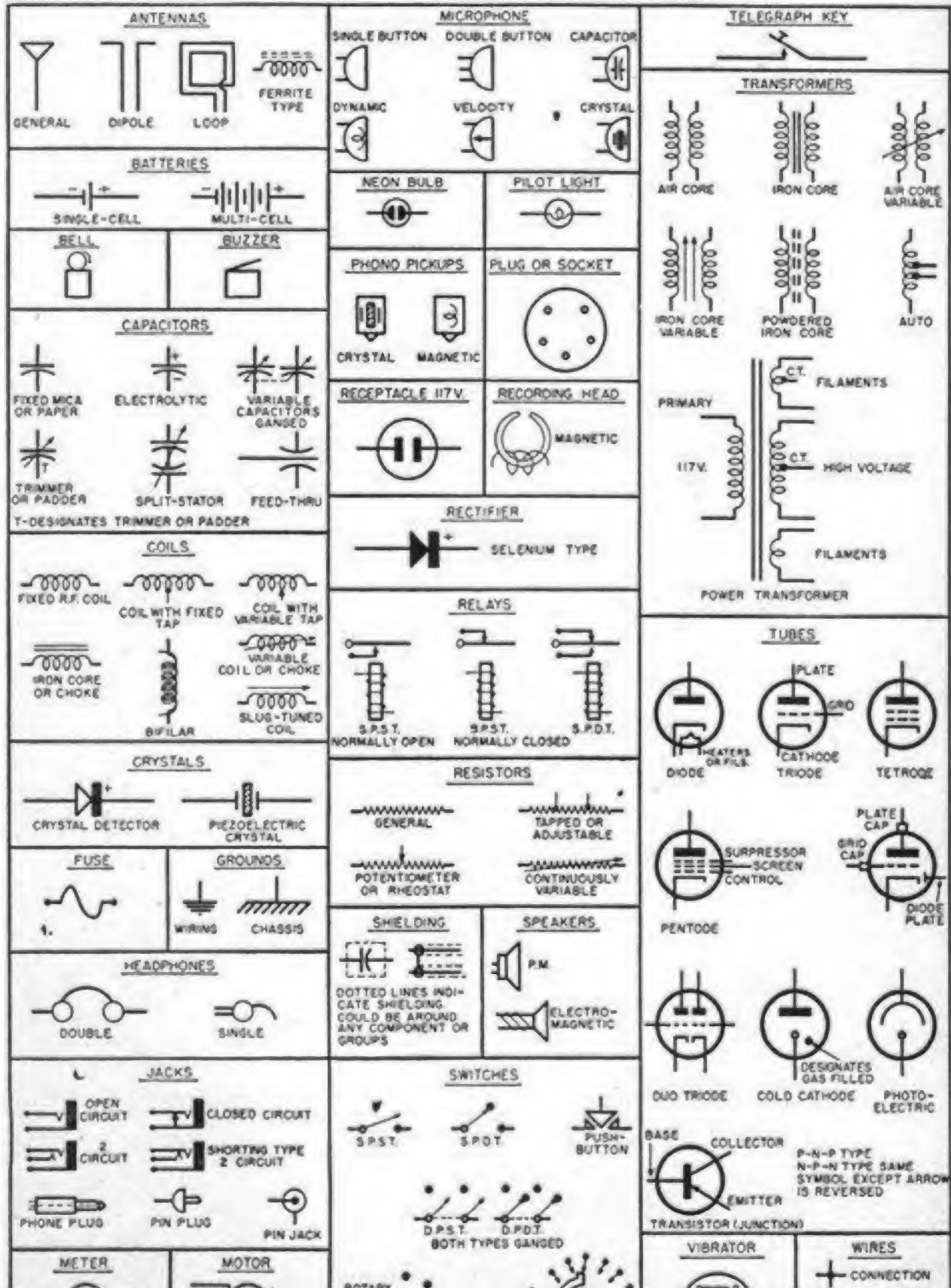
4.24


























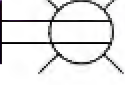




















4.25



STANDARDIZED WIRING DIAGRAM SYMBOLS



| | | | | | | |
|-------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | Audio Amplifier |  | Duplex Ground Fault Interrupter |  | Special-purpose Outlet |  |
|  | Single Outlet and Switch |  | Split Wired Duplex Outlet |  | Duplex Special-purpose Outlet |  |
|  | Emergency Circuit Single Outlet |  | 240v Outlet |  | Special-purpose connection or provision for connection |  |
|  | Duplex Convenience Outlet |  | Floor Mounted Outlet |  | Multi-outlet Assembly |  |
|  | Emergency Circuit Duplex Outlet |  | Floor Special-purpose Outlet |  | Data/voice, Power Floor Mounted Outlet |  |
|  | Weatherproof Convenience Outlet |  | Heavy Duty Outlet |  | Clock Hanger Outlet, Mounted |  |
|  | Range Outlet |  | Heavy Duty Outlet with Convenience Outlet |  | Blanked Outlet |  |
|  | Switch and Convenience Outlet |  | Triplex Outlet |  | Drop Outlet |  |
|  | Radio and Convenience Outlet |  | Split Wired Triplex Outlet |  | Electrical Outlet |  |
|  | Radio Outlet |  | Quadruplex Outlet |  | Fan Outlet |  |
|  | Dedicated Duplex Outlet |  | Emergency Circuit Quadruplex Outlet |  | Junction Box |  |

Electrical and Telecom

| | | | | | | | |
|----------------------|-----------------------|-------------------|---------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | |
| Electrical switchbox | Single pole switch | Three-way switch | 1P switch | 2P switch | 4P switch | 1DP switch | 2DP switch |
| | | | | | | | |
| Water tap | Lum. ceiling mount | Encl ceiling lum | Wall light | Circuit breaker | Multi-light bar | Light bar | Downlight |
| | | | | | | | |
| Outdoor lighting | Singleplex receptacle | Duplex receptacle | Fourplex receptacle | Batten fluore | Distribution box | Modular fluore | Office fluore |
| | | | | | | | |
| Pull-cord switch | Emerg. light | Emerg. sign | Switches | Dimmer switch | Socket outlet | Socket outlet 2 | Telephone outlet |
| | | | | | | | |
| Stereo outlet | Ceiling fan | Ceiling fan 2 | Combination fan | Service panels | Thermostat | Air conditioning | Hold open unit |
| | | | | | | | |
| Detector | Fire alarm | Monitor | Alarm | Doorbell | Smoke detector | Call | Tel |
| | | | | | | | |

Electrical and Telecom

| | | | | | | | | | |
|----------------|---------------|---------------|---------------|----------------|--------------|---------------|----------------|--------------|---------------|
| | S | S3 | | | | | | | |
| Electrical ... | Single pol... | Three-wa... | 1P switch | 2P switch | 4P switch | 1DP switch | 2DP switch | Water tap | Lum. ceili... |
| | | | | | | | | | |
| Encl ceilin... | Wall light | Circuit br... | Multi-ligh... | Light bar | Downlight | Outdoor l... | Singleple... | Duplex re... | Double D... |
| | | | | | | | | | |
| Triplex Re... | Fourplex ... | Range Ou... | Dryer Out... | Waterpro... | Switch an... | Split Wire... | Split Wire... | Duplex S... | Dishwash... |
| | | | | | | | | | |
| Drop Cord | Fan Outlet | Junction ... | Lamp Hol... | Lamp Hol... | Pull Switch | Vapor Dis... | Exit Light ... | Clock Out... | Blanked ... |
| | | | | | | | | | |
| Television... | Exhaust Fan | Water He... | Telephon... | Electrical ... | Battery | Batten flu... | Distributi... | Modular f... | Office flu... |
| | | | | | | | | | |
| Pull-cord ... | Emerg. li... | Emerg. sign | Switches | Dimmer s... | Socket ou... | Socket ou... | Telephon... | Stereo ou... | Ceiling fan |
| | | | | | | | | | |
| Ceiling fa... | Combinat... | Service p... | Thermostat | Air condit... | Hold ope... | Detector | Fire alarm | Monitor | Alarm |
| | | | | | | | | | |
| Doorbell | Smoke d... | Call | Tel | Main cont... | Ground | Line | Wire | Cut line | Cut line 2 |

